A B S T R A C T

An adhesive composition is provided which is flowable, shows a spreadable viscosity and a long pot life, develops cohesion by short-time exposure to a radiation, eliminates the need of temporary fixing, and exhibits the superior resistance to impact and creep after cure.

The adhesive composition contains (X) a compound having a crosslinkable or polymerizable group and (Y) a compound which is activated when exposed to an active energy radiation to generate species that cause crosslinking or polymerization of at least a part of the compound (X); wherein the composition has a viscosity at 25 ℃ of 1 - 10,000,000 cps, a conversion of the compound (X) immediately after exposure of the adhesive composition to the active energy radiation does not exceed 70 %, a conversion of the compound (X) after exposure of the adhesive composition to the active energy radiation and subsequent 24-hour aging at 25 ℃ is in the range of 50 - 100 %, and after exposure of the adhesive composition to the active energy radiation and subsequent 24-hour aging at 25 ℃, the cured composition has an elongation at break of 10 - 1,000 % and a dynamic tensile modulus in the range of 10^5 - 10^9 Pa.